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U.S. PTO

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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	647P002Div.
First Inventor	Robert L. Goldsmith
Title	Airlift Membrane Device and Membrane Bioreactor and Bioreactor Process Containing Same
Express Mail Label No.	ER 247779845 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing) | 7. <input type="checkbox"/> CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) |
| 2. <input checked="" type="checkbox"/> Applicant claims small entity status.
See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary) |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 18]
(preferred arrangement set forth below)
-Descriptive title of the invention
-Cross Reference to Related Applications
-Statement Regarding Fed sponsored R & D
-Reference to sequence listing, a table, or a computer program listing appendix
-Background of the Invention
-Brief Summary of the Invention
-Brief Description of the Drawings (if filed)
-Detailed Description
-Claim(s)
-Abstract of the Disclosure | a. <input type="checkbox"/> Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
ii. <input type="checkbox"/> paper
c. <input type="checkbox"/> Statements verifying identify of above copies |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 6] | 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| 5. Oath or Declaration [Total Sheets 2] | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney
(when there is an assignee) |
| a. <input type="checkbox"/> Newly executed (original or copy)
b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. <input type="checkbox"/> DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) | 11. <input type="checkbox"/> English Translation Document (if applicable) |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| | 13. <input checked="" type="checkbox"/> Preliminary Amendment |
| | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)
(Should be specifically itemized) |
| | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)
(if foreign priority is claimed) |
| | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |
| | 17. <input type="checkbox"/> Other: |

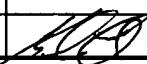
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/261,107
Prior application information: Examiner Barry, Chester T. Group Art Unit: 1724

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Name	Kevin S. Lemack				
	Nields & Lemack				
Address	176 E. Main Street – Suite 7				
City	Westboro	State	MA	Zip Code	01581
Country	US	Telephone	508-898-1818	Fax	508-898-2020

Name (Print/type)	Kevin S. Lemack	Registration No. (Attorney/Agent)	32,579
Signature			
Date	March 30, 2004		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

15535 U.S.PTO
10/812538

033004

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 385.00)

Complete If Known

Application Number	
Filing Date	
First Named Inventor	Robert L. Goldsmith
Examiner Name	
Art Unit	
Attorney Docket No.	647P002Div.

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number	14-0930
Deposit Account Name	Nields & Lemack

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee		385.	
1002 340	2002 170	Design filing fee			
1003 530	2003 265	Plant filing fee			
1004 770	2004 385	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1) (\$ 385.00)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
9	1		-20** = 0	x 9 = 0	
			- 3** = 0	x 43 = 0	
				145 = 0	

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 0)		

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

(Complete if applicable)

Name (Print/Type)	Kevin S. Lemack	Registration No. (Attorney/Agent)	32,579	Telephone	508-898-1818
Signature		Date	March 30, 2004		

WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card Information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

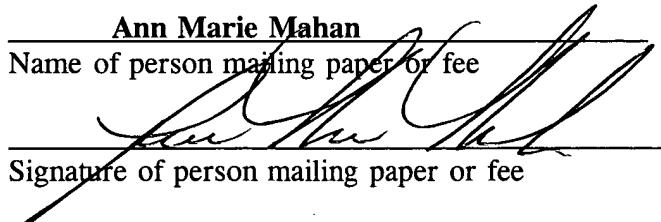
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Goldsmith
Serial No. : Not yet assigned
Filed : Herewith By Express Mail
For : AIRLIFT MEMBRANE DEVICE AND MEMBRANE BIOREACTOR AND BIOREACTOR PROCESS CONTAINING SAME
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P002Div.
Type of paper : **Fee Transmittal Form, together with a check**

"EXPRESS MAIL" MAILING LABEL NO. ER 247779845 US
DATE OF DEPOSIT: March 30, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

Ann Marie Mahan
Name of person mailing paper or fee

Signature of person mailing paper or fee

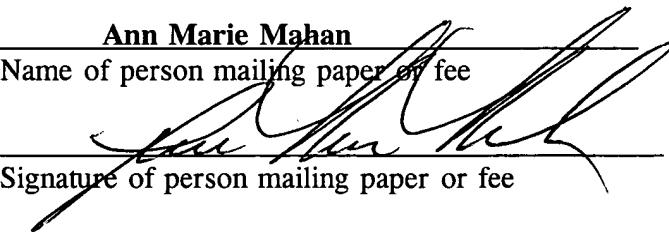
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Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P002Div.
Type of paper : Preliminary Amendment

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DATE OF DEPOSIT: March 30, 2004

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Ann Marie Mahan
Name of person mailing paper or fee


Signature of person mailing paper or fee

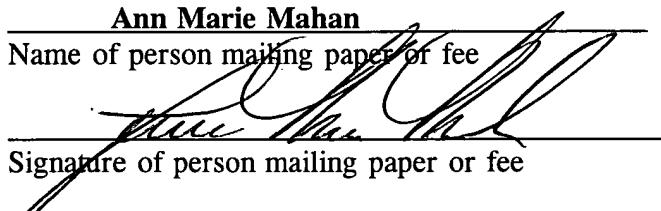
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Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P002Div.
Type of paper : Letter

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Ann Marie Mahan
Name of person mailing paper or fee


Signature of person mailing paper or fee

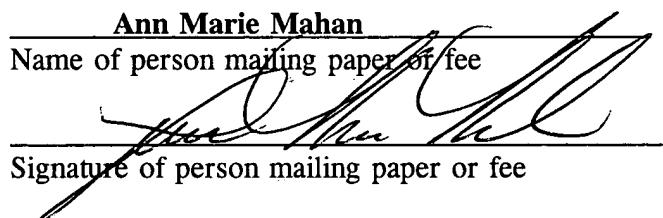
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Goldsmith
Serial No. : Not yet assigned
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For : AIRLIFT MEMBRANE DEVICE AND MEMBRANE BIOREACTOR AND BIOREACTOR PROCESS CONTAINING SAME
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P002Div.
Type of paper : Utility Patent Application Transmittal Form

"EXPRESS MAIL" MAILING LABEL NO. ER 247779845 US
DATE OF DEPOSIT: March 30, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: Patent Application, Alexandria, VA 22313-1450.

Ann Marie Mahan
Name of person mailing paper or fee


Signature of person mailing paper or fee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Goldsmith
Serial No. : Not yet assigned
Filed : Herewith By Express Mail
For : AIRLIFT MEMBRANE DEVICE AND MEMBRANE BIOREACTOR AND BIOREACTOR PROCESS CONTAINING SAME
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P002Div.
Type of paper : **Divisional Patent Application**

"EXPRESS MAIL" MAILING LABEL NO. ER 247779845 US
DATE OF DEPOSIT: March 30, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

Ann Marie Mahan
Name of person mailing paper or fee

Ann Marie Mahan
Signature of person mailing paper or fee

Attorney Docket No. 647P002Div.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Robert L. Goldsmith**

For: **AIRLIFT MEMBRANE DEVICE AND MEMBRANE BIOREACTOR AND BIOREACTOR PROCESS CONTAINING SAME**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

LETTER

The above-identified applicant enclose for filing a Divisional patent application entitled "**AIRLIFT MEMBRANE DEVICE AND MEMBRANE BIOREACTOR AND BIOREACTOR PROCESS CONTAINING SAME**". Said attached Divisional patent application includes (1) Utility Patent Application Transmittal Letter (1-Page); (2) Divisional Patent application: 18-page Specification (including 2-Pages of Claims (9) and 1-Page Abstract), 6-Sheets of A4 size drawings and a copy of the executed Declaration and Power of Attorney (3-Pages) that was filed in prior application serial no. 10/261,107; (3) Preliminary Amendment (3-Pages); and (4) Fee transmittal Form, together with a check in the amount of \$385.00 in payment of the filing fee.

All correspondence concerning this application should be mailed to:

**Kevin S. Lemack
Nields & Lemack
176 E. Main Street - Suite 7
Westboro, Massachusetts 01581**

Respectfully submitted,

**Kevin S. Lemack
Attorney for Applicants
Registration No. 32,579
Nields & Lemack
176 E. Main Street
Westboro, Massachusetts 01581
TEL: (508) 898-1818**

Date: March 30, 2004

EXPRESS MAIL NO: ER 247779845 US